Advection **52**, 247
Advection **53**, 21
Agricultural meteorology **50**, 355, 375; **51**, 313, 317; **52**, 135, 377; **53**, 33, 63
Air flow over hills **50**, 227; **51**, 169
Air pollution **50**, 375; **51**, 269, 343; **52**, 1, 203, 247
Air pollution meteorology **53**, 1, 43, 173, 267
Air-sea interactions **50**, 139, 147
Air-water interactions **51**, 123, 199, 299; **52**, 177, 193, 199, 313, 349, 397
Aircraft measurements **50**, 77, 109
Aircraft studies **53**, 223
Antarctic meteorology **51**, 123, 321
Askervein project **51**, 169
Atmometers **51**, 159
Atmospheric radiation **52**, 221
Aviation meteorology **52**, 17, 397

Blashaval Hill **52**, 259

Carbon dioxide fluxes **52**, 135; **53**, 63
Closure schemes **51**, 313, 317
Cloudiness **53**, 353
Coastal meteorology **51**, 49, 123; **52**, 17, 349
Cold air outbreaks **52**, 349
Concentration fluctuations in a plume **51**, 269
Conditional sampling of turbulence **52**, 151, 209, 253, 301
Convective boundary layer **51**, 1, 229, 383; **53**, 267
Counter-gradient transport **51**, 313, 317

Dalton number **52**, 377
Desertification **53**, 333
Dispersion around buildings **52**, 1
Drag coefficients **52**, 227
Dry deposition **50**, 375

Eddy correlations **52**, 135; **53**, 63, 77
Energy balance **51**, 123, 213; **53**, 163
Entrainment **53**, 21
Evaporation **51**, 159, 383; **52**, 377; **53**, 33, 77, 163, 201
Evaporimeter **51**, 159

Field experiments **50**, 1, 11, 31, 77, 109, 139
FIFE **50**, 109
Flux-variance relations **53**, 77
Footprint prediction **52**, 247
Forest meteorology **50**, 319, 375; **51**, 99, 179, 255; **52**, 227, 283; **53**, 33, 63
Frontogenesis **53**, 223

HAPEX-MOBILHY **53**, 201
HAPEX-MOBILHY data set **52**, 93

Inertial dissipation **50**, 339
Inertial oscillation **50**, 1
Instrumentation **53**, 63, 103, 401
Internal boundary layer **50**, 171, 205, 355; **51**, 49; **52**, 247, 349; **53**, 43, 223

Katabatic winds **52**, 41
Kelvin-Helmholtz waves **52**, 75

Land surface parameterization **52**, 93
Large-eddy simulations **53**, 103
Leaf wetness **53**, 33
Long-wave radiation **52**, 221
Low-level jet **50**, 1

Marine boundary layer **52**, 177
Marine meteorology **50**, 139, 147, 153
Mesometeorology **50**, 77, 171, 227, 277, 355; **51**, 1, 49, 169, 179, 199, 229, 343, 365, 383; **52**, 17, 41, 259, 313, 335; **53**, 1, 43
Mesoscale fog front **51**, 365
Microclimate modelling **52**, 199
Mixed-layer modelling **53**, 21
Model performance testing **52**, 259, 313
Momentum/heat flux relations **52**, 283
Monsoon meteorology **52**, 69, 177
Monte Carlo analysis **50**, 339

Net radiation **53**,163, 401
Noctural boundary layer **51**, 31, 77, 365; **52**, 75
Nocturnal boundary layer height **53**, 191
Numerical modelling **50**, 227; **51**, 1, 49, 213, 343; **52**, 41, 93, 199, 209, 247, 259, 313, 349; **53**, 1, 43, 117, 201, 371

O'Neil experiment **50**, 1
Oceanography **51**, 123, 199
Ozone fluxes **50**, 375

Planetary boundary layer **50**, 11, 31, 49, 77, 109, 139, 277; **51**, 1, 169, 213, 229, 343; **52**, 17, 41, 69, 75, 177, 199, 209, 313; **53**,

1, 21, 43, 117, 191, 267, 333, 353, 371
Pressure fluctuations **50**, 319
Probability density functions **51**, 269

Resistance laws **51**, 123
Roughness length **51**, 255

Saltation **52**, 193
Scalar fluxes **50**, 49
Sea breeze **50**, 171, 277; **53**, 43, 223
Sea breeze circulations **52**, 313
Seasonal variations **52**, 335
Shear stress **51**, 169
Similarity relations **52**, 17
Similarity theory **53**, 77
Slope winds **53**, 93, 163
Sodar measurements **52**, 75
Soil-atmosphere model **51**, 1
Soil moisture **53**, 201
Sonic anemometers **53**, 103
Spectral analysis **52**, 151, 227, 335, 397
Spectral gap **52**, 335
Stable atmospheric boundary layer **53**, 117, 191
Stanton number **52**, 377
Surface boundary layer **50**, 1, 11, 31, 139, 339; **51**, 299, 383, **52**, 151, 193, 301, 377; **53**, 33, 77, 93, 163, 201

Temperature sensor, correction for sea spray **50**, 153
Temperature structure parameter **53**, 185
Turbulence characteristics **52**, 151, 227
Turbulence measurements in a valley **51**, 31

Valley meteorology **51**, 31, 77, 321; **52**, 41
Vertical velocity distributions **52**, 209

Water drops **53**, 33
Water vapour flux diverence **51**, 199
Wind-tunnel modelling **50**, 227, 277
Wind tunnel studies **52**, 1

Zero-plane displacement **51**, 255

Author Index – Volumes 50–53 (1990)

Aldis, G. K., *see* Finnigan, J. J. *et al.*
Alpert, P. *see* Otterman, J. *et al.*
Amiro, B. D. **51**, 99; **52**, 227
André, J.-C. **50**, 77
Apsimon, H. M. **52**, 203 (*Information Note*)
Avissar, R. **50**, 227

Beljaars, A. C. M., *see* Van Wijk, M. *et al.*
Bello, R. **51**, 159
Betts, A. K. **50**, 109
Bougeault, P., *see* André, J.-C. *et al.*
Bradley, E. F., *see* Finnigan, J. J. *et al.*
Brandt, H., *see* Kim, S. *et al.*
Brutsaert, W. **51**, 383
Butler, D. R. **53**, 33

Chen, F. **52**, 151, 301
Coulman, C. E., *see* Huynh, B. P. *et al.*
Coulter, R. L. **52**, 75

Den Hartog, G., *see* Shaw, R. H. *et al.*
Derbyshire, S. H., *see* Mason, P. J. *et al.*
Desjardins, R. L., *see* Betts, A. K. *et al.*; *see* Schuepp, P. H. *et al.*
Djolov, G. **51**, 419; **52**, 205 (*Book Review*)
Doran, J. C. **52**, 41
Druilhet, A. **52**, 397
Durand, P., *see* Druilhet, A. *et al.*
Dutoit, M., *see* Jury, M. *et al.*

Estournel, C. **53**, 191 (*Research Note*)

Finnigan, J. J. **50**, 277
Fischer, A., *see* Druilhet, A. *et al.*
Foken, TH. **53**, 185 (*Research Note*)
Fritschen, L. **53**, 163

Gao, W., *see* Shaw, R. H. *et al.*
Garratt, J. R. **50**, 11, 171; **52**, 313; *see* Ye, Z. J. *et al.*
Gaynor, J. E., *see* Kaimal, J. C. *et al.*
Godowitch, J. M. **50**, 375
Goutorbe, J.-P., *see* André, J.-C. *et al.*
Grisogono, B. **52**, 221
Guedalia, D., *see* Estournel, C.
Guo, X. **53**, 303
Guzzi, R., *see* Moroni, C. *et al.*

Hacker, J. M., *see* Kraus, H. *et al.*; *see* Shao, Y.
Hacker, J., *see* Hartmann, J. *et al.*
Hartmann, J. **50**, 153; *see* Kraus, H. *et al.*
Hasse, L. **50**, 139
Heinemann, G. **51**, 123
Hicks, B. B. **53**, 297 (*Book Review*); *see* Garratt, J. R.
Holtslag, A. A. M., *see* Van Wijk, M.
Horst, T. W., *see* Doran, J.C. *et al.*
Huynh, B. P. **51**, 229

Irwin, J. S. **53**, 267
Ishida, H. **52**, 335

Jacquemin, B. **52**, 93
Jury, M. **53**, 1

Kaimal, J. C. **50**, 31; **53**, 103
Kelly, R. D., *see* Betts, A. K. *et al.*
Kim, J. **51**, 401; **52**, 135
Kim, S. **52**, 1
Kraus, H. **53**, 223; *see* Hartmann, J. *et al.*
Kretschmer, D., *see* Foken, TH.
Kumar, M. R. R. **51**, 299; **52**, 177 (*Research Note*); *see* Vinayachandran, P.N.

Lalas, D. P., *see* Walmsley, J. L. *et al.*
Larsen, S. E., *see* Sempreviva, A. M. *et al.*
Larsen, S., *see* Mahrt, L.
Leclerc, M. Y. **52**, 247; *see* Schuepp, P. H. *et al.*
Lee, T. J., *see* Garratt, J. R. *et al.*
Lettau, H. **50**, 1
Leuning, R. **53**, 63
Lewthwaite, E. W. D., *see* McKendry, I. G.
Li, Z. **51**, 179; **51**, 317 (*Correspondence*)
Lin, J. D., *see* Li, Z. J.
Lo, A. K. **51**, 255

MacPherson, J. I., *see* Betts, A. K. *et al.*; *see* Schuepp, P. H. *et al.*
Mahfouf, J.-F. **53**, 201
Mahrt, L. **53**, 93
Maitani, T. **52**, 283
Manes, A., *see* Otterman, J. *et al.*
Maryon, R. H. **53**, 371
Mason, P. J. **53**, 117; *see* Walmsley, J. L. *et al.*
McKendry, I. G. **51**, 321
Meroney, R. N., *see* Avissar, R. *et al.*
Michael, G. S., *see* Kumar, M. R. R. *et al.*

Mikami, M., *see* Toya, T. *et al.*
Miller, D. R., *see* Li, Z.
Miller, W. F., *see* Garratt, J. R. *et al.*
Moncrieff, J., *see* Leuning, R.
Moran, M. D., *see* Avissar, R. *et al.*
Moroni, C. **50**, 339
Mortensen, N. G., *see* Sempreviva, A. M. *et al.*
Munn, R. E. **50**, ix (*Editorial*)

Navarra, A., *see* Moroni, C. *et al.*
Ngeleza, E., *see* Jury, M. *et al.*
Noilhan, J., *see* Jacquemin, B.

Oliver, H. R. **53**, 401
Otterman, J. **51**, 213; **53**, 333

Padro, J. **51**, 343
Padro, J., *see* Walmsley J. L. *et al.*
Palutikof, J. P. **53**, 303
Panin, G. N. **50**, 147
Parasnis, S. S. **52**, 69
Paumier, J. O., *see* Irwin, J. S.
Paw, K. T., *see* Shaw, R. H. *et al.*
Pielke, R. A., *see* Avissar, R. *et al.*; *see* Garratt, J. R. *et al.*; *see* Ye, Z. J. *et al.*

Qian, P., *see* Fritschen L.
Quintarelli, F. **52**, 209

Raasch, S. **52**, 349
Rao, K. S. **51**, 31; *see* Kumar M. R. R.
Rao, L. V. G., *see* Kumar M. R. R. *et al.*
Raupach, M. R., *see* Finnigan, J. J. *et al.*
Rose, L., *see* Heinemann, G.
Rubin, S., *see* Otterman, J. *et al.*

Sadhuram, Y., *see* Kumar M. R. M. *et al.*
Santosh, K. R., *see* Viswanadham, D. V. **53**, 173
Schädler, G. **51**, 1
Schaub, M. A., *see* Rao, K. S.
Schuepp, P. H. **50**, 355; **53**, 300 (*Book Review*)
Segal, M. **52**, 193; *see* Ye, Z. J. *et al.*
Sempreviva, A. M. **50**, 205
Shao, Y. **52**, 17
Shaw, R. H. **50**, 319; *see* Maitani, T.
Starr, D. O'C., *see* Otterman, J. *et al.*
Steyn, D. G. **53**, 21
Sugita, M., *see* Brutsaert W.

Taconet, O., *see* Zhong, M. *et al.*
Taylor, P. **50**, xi (*Acting Editorial*)
Tegen, A., *see* Jury, M. *et al.*
Thruhlar, E., *see* Taylor P.
Thurtell, G. W., *see* Leclerc, M. Y. *et al.*
Toya, T. **52**, 377
Troen, I., *see* Walmsley, J. L. *et al.*
Turkenburg, W. C., *see* Van Wijk, M. *et al.*
Turner, T. R., *see* Huynh, B. P. *et al.*

Van Boxel, J. H., *see* Van Pul, A. *et al.*
Van Pul, A. **51**, 313 (*Correspondence*)
Van Wijk, M. **51**, 49
Verma, S. B., *see* Kim, J.
Vinayachandran, P. N. **51**, 199 (*Research Note*)
Viswanadham, D. V. **53**, 173 (*Research Note*)

Walmsley, J. L. **51**, 169; **52**, 259; *see* Padro, J.
Weaver, H. L. **53**, 77
Wei-Mei, J. **53**, 43
Weill, A., *see* Zhong, M. *et al.*
White, B. R. *see* Kim, S. *et al.*
Whiteman, C. D., *see* Doran J. C. *et al.*
Wittich, K.-P. **51**, 365
Wright, I. R., *see* Oliver, H. R.
Wu, G., *see* Avissar, R. *et al.*
Wyngaard, J. C. **50**, 49; *see* Kaimal, J. C.

Xiao-Ming, W., *see* Wei-Mei, J.

Yasuda, N., *see* Toya, T. *et al.*
Ye, Z. J. **51**, 77
Yee, E. **51**, 269

Zhang, X. J., *see* Shaw, R. H. *et al.*
Zhong, M. **53**, 353
Zilitinkevich, S. S. **52**, 199 (*Correspondence*)
Zimmerman, G. A., *see* Kaimal, J. C. *et al.*
Zimmerman, H. A., *see* Kaimal, J. C. *et al.*